1106-14-1154 **Caryn Werner*** (cwerner@allegheny.edu), Department of Mathematics, Allegheny College, Meadville, PA 16335. *Surfaces of general type with* $K^2 = 2\chi - 1$.

We classify minimal algebraic surfaces of general type having $K^2 = 2\chi - 1$ and $\chi \geq 7$. Such surfaces are regular with canonical map of degree one or two. When the geometric genus is at least 13, the surface is a genus-two fibration. Otherwise we use the canonical map to describe these surfaces as birational either to the canonical image, or to a double cover of a rational surface. (Received September 11, 2014)